INVENTOR SEARCH

Barbara OBryan 4/12/07

=> fil capl; d que 116

FILE 'CAPLUS' ENTERED AT 16:25:03 ON 10 APR 2007

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FILE COVERS 1907 - 10 Apr 2007 VOL 146 ISS 16 FILE LAST UPDATED: 9 Apr 2007 (20070409/ED)

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http://www.cas.org/infopolicy.html
'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L14 21 SEA FILE=CAPLUS ABB=ON HANSELMANN P?/AU L15 53 SEA FILE=CAPLUS ABB=ON WENGER W?/AU L16 2 SEA FILE=CAPLUS ABB=ON L14 AND L15

=> fil casre; d que 11; d que 12; s 11,12 FILE 'CASREACT' ENTERED AT 16:25:21 ON 10 APR 2007 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 7 Apr 2007 VOL 146 ISS 16

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L1 13 SEA FILE=CASREACT ABB=ON HANSELMANN P?/AU

L2 2 SEA FILE=CASREACT ABB=ON WENGER W?/AU

15 (L1 OR L2) L30

=> dup rem 129,130FILE 'CAPLUS' ENTERED AT 16:25:29 ON 10 APR 2007 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CASREACT' ENTERED AT 16:25:29 ON 10 APR 2007 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS) PROCESSING COMPLETED FOR L29 PROCESSING COMPLETED FOR L30

17 DUP REM L29 L30 (0 DUPLICATES REMOVED) L31

ANSWERS '1-2' FROM FILE CAPLUS ANSWERS '3-17' FROM FILE CASREACT

=> d ibib ed abs hitstr 1-2; d ibib abs 3-17

L31 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2007 ACS on STN 2006:1091564 CAPLUS Full-text ACCESSION NUMBER:

DOCUMENT NUMBER:

145:438324

TITLE:

Method for the production of 6,6,6-trihalo-3,5-

dioxohexanoate esters

INVENTOR(S):

Hanselmann, Paul; Wenger, Wolfgang

PATENT ASSIGNEE(S):

Switz.

SOURCE:

U.S. Pat. Appl. Publ., 6pp., Cont.-in-part of Appl.

No. PCT/EP2004/011970.

CODEN: USXXCO

DOCUMENT TYPE:

Patent English

LANGUAGE:

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT	NO.			KIN	D :	DATE			APPL	ICAT	ION 1	NO.		D	ATE	
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US 2006	2352	40		A1		2006	1019	1	US 2	006-	4162	12		21	0060	503
WO 2005	0400	87		A1		2005	0506	1	WO 2	004-	EP11	970		2	0041	022
W:	W: AE, AG, A CN, CO, C			AM,	AT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
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	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
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	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,

SN, TD, TG

PRIORITY APPLN. INFO.:

EP 2003-24344

A 20031024

WO 2004-EP11970

A2 20041022

OTHER SOURCE(S):

MARPAT 145:438324

ED Entered STN: 19 Oct 2006

GI

AB 6,6,6-Trihalo-3,5-dioxohexanoate esters X3CCOCH2CHCH2CO2R1 (E and Z isomers; X = F, Cl, Br; Rl = alkyl, cycloalkyl, aryl, aralkyl; e.g., Me 6,6,6-trifluoro-3,5-dioxohexanoate) are prepared by the etherification of 4-hydroxypyran-2-ones (I; e.g., 4-hydroxy-6-trifluoromethylpyran-2-one) with sulfate esters (R2O)2SO2 (R2 = alkyl, cycloalkyl, allyl, benzyl; e.g., di-Me sulfate) or R2Y (Y = tosyl, Cl, Br, I) to give the corresponding pyranone ethers (II; 4-methoxy-6-trifluoromethyl-2-pyranone) which are reacted with a Group IA or IIA metal alcoholate (e.g., magnesium dimethoxide) to give the corresponding linear enol ether (e.g., Me 6,6,6-trifluoro-2-methoxy-5-oxo-2-hexenoate), which is then hydrolyzed into the enol with a weak acid (e.g., aqueous HCl).

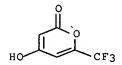
IT 387866-40-2

RL: RCT (Reactant); RACT (Reactant or reagent)

(in a method for the production of 6,6,6-trihalo-3,5-dioxohexanoate esters)

RN 387866-40-2 CAPLUS

CN 2H-Pyran-2-one, 4-hydroxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



IT 850860-00-3P 912677-01-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(in a method for the production of 6,6,6-trihalo-3,5-dioxohexanoate esters)

RN 850860-00-3 CAPLUS

CN 2H-Pyran-2-one, 4-methoxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

912677-01-1 CAPLUS RN

2-Hexenoic acid, 6,6,6-trifluoro-3-methoxy-5-oxo-, methyl ester (9CI) CN INDEX NAME)

557796-15-3P 912677-02-2P IT

RL: SPN (Synthetic preparation); PREP (Preparation)

(method for the production of 6,6,6-trihalo-3,5-dioxohexanoate esters)

557796-15-3 CAPLUS RN

Hexanoic acid, 6,6,6-trifluoro-3,5-dioxo-, methyl ester (9CI) (CA INDEX CN NAME)

RN 912677-02-2 CAPLUS

2-Hexenoic acid, 6,6,6-trifluoro-3-hydroxy-5-oxo-, methyl ester (9CI) (CA CN

L31 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2005:395248 CAPLUS Full-text

DOCUMENT NUMBER:

142:429939

TITLE:

Method for the production of 6,6,6-trihalo-3,5-

dioxohexanoic acid esters

INVENTOR(S):

Hanselmann, Paul; Wenger, Wolfgang

PATENT ASSIGNEE(S):

Lonza A.-G., Switz.

SOURCE:

PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PAT	CENT	NO.			KIN	D	DATE			APPL	ICAT:	ION	NO.		D	ATE	
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	WO	2009	0400	87		A1		2005	0506	. 1	WO 2	004-1	EP11	970		2	00410	022
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			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NΑ,	NI,
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
			TJ.	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	2W

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG 20050506 CA 2004-2541843 20041022 Α1 CA 2541843 EP 2004-817266 20041022 20060719 EP 1680391 A1 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK 20041022 Α 20061129 CN 2004-80031436 CN 1871202 US 2006235240 A1 20061019 US 2006-416212 20060503 20031024 PRIORITY APPLN. INFO.: EP 2003-24344 WO 2004-EP11970 W 20041022.

OTHER SOURCE(S): MARPAT 142:429939

ED Entered STN: 09 May 2005

GI

AB 6,6,6-Trihalo-3,5-dioxohexanoic acid esters X3CCOCH2COCH2CO2R1 (R1 = alkyl, cycloalkyl, aryl, arylalkyl; X = F, Cl, Br; e.g., Me 6,6,6-trifluoro-3,5-dioxohexanoate) as well as the corresponding E- and Z-isomer enolates X3CCOCH2C(OR2):CHCO2R1 (R2 = alkyl, cycloalkyl, allyl, benzyl) are prepared by the etherification of hydroxypyranones (I; e.g., 4-hydroxy-6-trifluoromethyl-2-pyranone) with sulfates (R2O)2SO2 (e.g., di-Me sulfate) or agents YR2 (Y = tosyl, chloro, bromo, iodo) to give the corresponding pyranone ethers (II; 4-methoxy-6-trifluoromethyl-2-pyranone) which are then reacted with Group IA or IIA alcoholates (e.g., magnesium methanolate) to give the linear enolates (e.g., Me 6,6,6-trifluoro-2- methoxy-5-oxo-2-hexenoate), which, upon hydrolysis with strong acids (e.g., hydrochloric acid), give 6,6,6-trihalo-3,5-dioxohexanoic acid esters.

IT 387866-40-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(in a method for the production of 6,6,6-trihalo-3,5-dioxohexanoic acid esters)

RN 387866-40-2 CAPLUS

CN 2H-Pyran-2-one, 4-hydroxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

IT 850860-00-3P

> RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(in a method for the production of 6,6,6-trihalo-3,5-dioxohexanoic acid esters)

850860-00-3 CAPLUS RN

2H-Pyran-2-one, 4-methoxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME) CN

IT 557796-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

(method for the production of 6,6,6-trihalo-3,5-dioxohexanoic acid esters)

557796-15-3 CAPLUS RN

CN Hexanoic acid, 6,6,6-trifluoro-3,5-dioxo-, methyl ester (9CI) (CA INDEX

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 3 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

138:238184 CASREACT Full-text

TITLE:

Amidation and hydrogenation method for producing beta-alanine amides from amines and cyanoacetate

INVENTOR(S):

Hanselmann, Paul; Hildbrand, Stefan

PATENT ASSIGNEE(S):

SOURCE:

Lonza A.-G., Switz.

PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PAT	ENT	NO.		KI	ND	DATE			A.	PPLI	CATI	N NC	Э.	DATE			
WO	0 2003022795 W: AE, AG,		95	A	1	2003	0320		W	2 O	02-E	P989	3	2002	0904		
	W:	ΆΕ,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
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		GM,	HR,	ΗU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,
		LS.	LT.	T.U.	I.V.	MA.	MD.	MG.	MK.	MN.	MW.	MX.	MZ.	NO.	NZ.	OM.	PH.

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10/577070
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             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,
             RU, TJ, TM
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             PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
             NE, SN, TD, TG
                                         EP 2002-767473
                                                             20020904
                      A1
                            20040623
     EP 1430018
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             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
     JP 2005502697
                      Т
                            20050127
                                           JP 2003-526873
                                                            20020904
     US 2004220410
                       A1
                            20041104
                                           US 2004-488692
                                                             20040305
                                           EP 2001-121342
PRIORITY APPLN. INFO.:
                                                             20010906
                                           US 2001-332547P 20011126
                                            WO 2002-EP9893
                                                             20020904
OTHER SOURCE(S):
                         MARPAT 138:238184
     \beta-Alanine amides R2(R1CH2)NCOCH2CH2NH2 [R1 = H, (un)substituted C1-6 alkyl; R2
     = H; R1R2 = (CH2)n; n = 3, 4; e.g., carcinine], used as an active ingredient
     having an antioxidative effect in medicaments and cosmetics (no data), are
     produced without using an amino protective group by the amidation of the
     corresponding amine R2(R1CH2)NH (e.g., histamine) with a cyanoacetic ester
     R3O2CCH2CN (R3 = C1-10 alkyl; e.g., Et cyanoacetate) in order to form a
     cyanoacetamide R2(R1CH2)NCOCH2CN [e.g., 2-Cyano-N-[2-(1(3)H-imidazol-4-
     yl)ethyl]acetamide] and by subjecting the cyanoacetamide to catalytic
     hydrogenation.
REFERENCE COUNT:
                         12
                               THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
L31 ANSWER 4 OF 17 CASREACT COPYRIGHT 2007 ACS on STN
                         136:5720 CASREACT Full-text
ACCESSION NUMBER:
                         Method for producing aliphatic \alpha-diketones from
TITLE:
                         \alpha, \beta-unsaturated ketones using ozonolysis
                         Glufke, Uta; Hanselmann, Paul
INVENTOR(S):
                         Lonza A.-G., Switz.
PATENT ASSIGNEE(S):
                         PCT Int. Appl., 11 pp.
SOURCE:
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
                         German
LANGUAGE:
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
                                           APPLICATION NO. DATE
     PATENT NO.
                      KIND
                            DATE
                            _____
                      ____
                                           WO 2001-EP5739
                                                             20010518
     WO 2001090036
                       A2
                            20011129
                      A3
                            20020620
     WO 2001090036
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
             RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
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UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
    RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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       BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                 A2
                    20030212
                                    EP 2001-945163 20010518
      AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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                                    US 2002-275982 20021119
US 2003171622
               A1 20030911
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US 6689918 B2 20040210

PRIORITY APPLN. INFO.:

EP 2000-110670 20000519 WO 2001-EP5739 20010518

OTHER SOURCE(S):

MARPAT 136:5720

GΙ

Aliphatic α -diketones R1COCOR2 (R1, R2 = C1-6 alkyl; e.g., 2,3-pentanedione) AB are prepared in high yield and selectivity by the ozonolysis of α,β -unsatd. ketones [I; R3, R4 = H, C1-6 alkyl, di(C1-6 alkyl)amino; e.g., 2-methyl-1penten-3-one] and the resulting ozonide is treated reductively (e.g., with di-Me sulfide).

L31 ANSWER 5 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

135:210755 CASREACT Full-text

TITLE:

Process for the preparation of acetoacetylated diamines and polyamines by amidation of the amines

with diketene

INVENTOR(S):

Glufke, Uta; Hanselmann, Paul

PATENT ASSIGNEE(S):

Lonza A.-G., Switz.

SOURCE:

PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA	TENT	NO.		KII	ND	DATE			Al	PPLI	CATIO	ои ис	ο.	DATE			
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		LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,
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OTHER SOURCE(S):

MARPAT 135:210755

AB Acetoacetylated diamines [e.g., N-[2-methyl-5-(3-oxobutyrylamino)pentyl]acetoacetamide; m.p. 97.5°] and polyamines, useful as intermediates for coating materials (no data), dyes (no data), and adhesives (no data), are prepared by the reaction of the corresponding di- (e.g., 2-methyl-1,5-pentanediamine) or polyamine with diketene.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 6 OF 17 CASREACT COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 135:152620 CASREACT Full-text

TITLE: Method for producing acetoacetylated aromatic amines

INVENTOR(S): Glufke, Uta; Hanselmann, Paul

PATENT ASSIGNEE(S): Lonza A.-G., Switz.

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

GI

		ENT				ND	DATE					CATIO			DATE			
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															BZ,		CH.	CN.
															GE,			
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		2230																
		2003	1253	92	A	1	2003	0703		U	S 20	02-1	8291	6	2002	1021		
		6734	324		В:	2	2004	0511		**		0 4 T	C1 20	^		0100		
		2004	1529	19	Α	T	2004	0805		U	S 20	04-7	6139	9	2004	0122		
DD T 0.1		6949				2	2005	0921			D 20	00 1	0041	0	2000	0201		
PRIO	KITY	APP	LN.	INFO	.:										2000			
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ОФПЕ	D 97	OURCE	181.	•		мар	ידעסי	135.	1526		5 20	02-1	0231	U	2002	1 0 C 1		
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^{*} STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

The invention relates to a method for producing acetoacetylated aromatic AB amines I [R1 and R2, each time they occur and independently of each other, mean hydroxy, C1-6-alkyl, C1-6-alkoxy, halogen, Ph or phenoxy; R3 means hydrogen or C1-6-alkyl; m is a whole number from 0 to 4; and n is a whole number from 0 to 5]. According to said method, diketene is reacted with a Nphenyl-p-phenylenediamine derivs. II [R1, R2, R3, m and n have the meanings given above], in the presence of 3-40% acetic acid and at temps. of 20 to 100 $^{\circ}$ C, preferably 60 to 70 $^{\circ}$ C. The invention also relates to the compds. I [R3 = C1-6-alky] and the enamines III that can be obtained from these by reaction with ammonia, and their hydrogenation products IV.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 7 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

135:122023 CASREACT Full-text

TITLE:

Amidation and etherification method for producing N-alkoxy-N-alkylcarboxamides from carboxylate esters

Hanselmann, Paul; Hildbrand, Stefan; INVENTOR(S):

Sterren, Etienne

PATENT ASSIGNEE(S):

Lonza A.-G., Switz.

SOURCE:

PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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APPLICATION NO. DATE
    PATENT NO.
                   KIND
                          DATE
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                                        _____
                          _____
                                       WO 2001-EP753
    WO 2001055096
                    A1
                          20010802
                                                         20010124
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
            YU, ZA, ZW
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                       EP 2001-913765
                                                        20010124
                    A1
                          20021023
    EP 1250316
    EP 1250316
                          20041229
                     В1
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                     A2 20030328
                                         HU 2002-4192
                                                          20010124
    HU 200204192
                      Т
                          20030708
                                         JP 2001-555038
                                                          20010124
    JP 2003520844
                      T
                          20050115
                                         AT 2001-913765
                                                         20010124
    AT 286020
                                                         20020724
                           20040212
                                         US 2002-181420
    US 2004030142
                     A1
                           20050510
    US 6891049
                     B2
                                         EP 2000-101391 ·
                                                         20000125
PRIORITY APPLN. INFO.:
                                         US 2000-203906P 20000512
                                         WO 2001-EP753
                                                          20010124
```

MARPAT 135:122023 OTHER SOURCE(S):

N-alkoxy-N-alkylcarboxamides R1CON(R2)(OR2) (R1 = C1-10 alkyl, cycloalkyl, cycloalkenyl, C2-10 alkenyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl, heterocyclyl; R2 = C1-6 alkyl) (e.g., N-methoxy-N-methyl-2- furancarboxamide) are prepared in high yield and selectivity by the amidation of carboxylate esters R1COOR3 (R3 = C1-6 alkyl, 4-nitrophenyl, 2,4-dinitrophenyl, succinimido, benzotriazole-1-yl) (e.g., Me 2-furancarboxylate) with hydroxylamine, a hydroxylamine derivative, or with a hydroxylammonium salt

(e.g., hydroxylammonium sulfate), and the reaction product is alkylated and etherified with R2X (X = halogen) (e.g., chloromethane) in the presence of a phase-transfer catalyst (e.g., tetrabutylammonium bromide).

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 8 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

4

ACCESSION NUMBER:

134:207549 CASREACT Full-text

TITLE:

Oxidative method and catalysts for producing cyanoacetate esters from 3-(alkoxy)propionitriles

Hanselmann, Paul; Hildbrand, Stefan INVENTOR(S):

PATENT ASSIGNEE(S):

Lonza A.-G., Switz.

SOURCE:

PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA'	rent	NO.		KII	ND	DATE			A	PPLI	CATI	ои ис	٥.	DATE			
WO	2001	0160	92	A.	1	2001	0308		W	20	 00 - Е	P839	7	2000	0829		
	W:	AE,	ÀG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
		CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
		HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,
		LU,	LV,	MA,	MD,	MG,	MK,	MN,	ΜW,	MX,	MZ,	NO,	ΝZ,	PL,	PT,	RO,	RU,
		SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,
		YU,	ZA,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM				
	RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	ΤZ,	ŪG,	ZW,	AT,	BE,	CH,	CY,
		-		-			-	-						PT,	SE,	BF,	ВJ,
		CF,	CG,	CI,	CM,	GΑ,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG			
EP	1208	081		A:	1	2002	0529		E	P 20	00-9	6405	0	2000	0829		
EP	1208	081		В:	1	2004	0414										
	R:		-				-	-	-	-	IT,	LI,	LU,	NL,	SE,	MC,	PT,
						FI,											
	2003													2000			
	2642					2004								2000			
ES	2219	396		T	3	2004	1201		E	S 20	00-9	6405	0	2000	0829		
TW	5728	75		В		2004	0121							2000	1219		
US	US 6700010					2004	0302		U:	S 20	02-6	9579		2002	0712		
HK	1048		A.	1	2005	0527		H	K 20	03-1	0019	6	2003	0108			
PRIORIT	Y APP	LN.	INFO	.:			•					1703		1999			
-														2000			
										O 20	00-E	P839	7	2000	0829		

OTHER SOURCE(S): MARPAT 134:207549

. 4

Cyanoacetate esters NCCH2CO2R [R = (un)substituted (un)branched C1-8 alkyl, arylalkyl] (e.g., Me 2-cyanoacetate) are prepared in high yield and selectivity by the oxidation of 3-(alkoxy)propionitriles RO(CH2)2CN (e.g., 3methoxypropionitrile) in the presence of a catalyst based on lead or on one of the transition metals (e.g., cobalt diacetate tetrahydrate) using oxygen or an oxygen-forming reagent (e.g., N-hydroxyphthalimide).

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 9 OF 17 CASREACT COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 133:89336 CASREACT Full-text

TITLE: Method for producing robenidine or derivatives thereof

INVENTOR(S): Hanselmann, Paul; Hildebrand, Stefan PATENT ASSIGNEE(S):

Lonza A.-G., Switz.

SOURCE:

PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE ____. WO 2000040549 A1 20000713 WO 2000-EP50 20000105 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, T2, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG A1 20011010 EP 2000-901065 EP 1140806 20000105 EP 1140806 В1 20030528 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO AT 241596 T 20030615 AT 2000-901065 20000105 ES 2199762 Т3 20040301 ES 2000-901065 20000105 20041001 TW 221467 В TW 2000-89101362 20000127 US 2002123649 A1 20020905 US 2001-900409 20010706 US 6680409 B2 20040120 A1 HK 1042078 20040130 HK 2002-102680 20020410 PRIORITY APPLN. INFO.: EP 1999-100097 19990106

OTHER SOURCE(S):

MARPAT 133:89336

4-RC6H4CH:NNHC(:NH)NHN:CHC6H4R-4 [R = halogen] were prepared from N2H4 by reaction with R1CN [R1 = halogen, tosyl] to form H2NNHC(:NH)NHNH2.HY which is then treated with 4-RC6H4CHO in situ in an aqueous alc. or aprotic polar organic solvent-water mixture Thus, robenidine. HCl was obtained in 84% yield with 99.6% purity by using Me2CHOH-HO (88:12) as the solvent.

REFERENCE COUNT:

10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

WO 2000-EP50

US 1999-146107P 19990729

20000105

L31 ANSWER 10 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

132:194524 CASREACT Full-text

TITLE:

Preparation of geranic acids and cyclogeranic acids, which are useful for the preparation of perfumes and fragrances, via the use of 4-methyl-4-(4-methylpent-3en-1-yl)-2-oxetanone or its oligomer as synthetic

intermediates

INVENTOR(S):

Fankhauser, Peter; Hanselmann, Paul;

Jackson, Barry

PATENT ASSIGNEE(S):

Firmenich S.A., Switz.; Lonza Ltd.

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE WO 1999-IB1463 19990824 WO 2000014080 A1 20000316 W: JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE 20010627 EP 1999-936925 19990824 EP 1109798 Α1 EP 1109798 20051012 В1 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI JP 2002524454 20020806 JP 2000-568838 19990824 AT 306478 Т 20051015 AT 1999-936925 19990824 20020507 US 2001-786279 20010621 US 6384242 В1 PRIORITY APPLN. INFO.: EP 1998-116634 19980903 WO 1999-IB1463 19990824

OTHER SOURCE(S):

MARPAT 132:194524

GI

A method for the preparation of double bond isomers of geranic acid derivs., AB such as Me2C:CH(CH2)2C(Me):CHCO2R (R = H, alkyl), and isomeric cyclogeranic acid derivs. I (R = H, alkyl; X = CH2, Me) using 4-methyl-4-(4-methylpent-3en-1-yl)-2-oxetanone (II) or its oligomer as a synthetic intermediate was presented. Thus, intermediate oxetanone II was prepd in 80.9% yield by cyclization of 6-methyl-5-hepten-2-one with ketene gas using boron trifluoride etherate in CH2Cl2. Oxetanone II was then converted to double bond isomers α and β -cyclogeranic acid in 40 and 28% yields resp. using acetic acid and sulfuric acid. Geranic acid derivs. are important synthetic building blocks in the preparation of perfumes and fragrances.

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 11 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

4

ACCESSION NUMBER:

133:89232 CASREACT Full-text Preparation of malonic esters

TITLE: INVENTOR(S):

Hildbrand, Stefan; Hanselmann, Paul

PATENT ASSIGNEE(S):

Lonza A.-G., Switz.

SOURCE:

Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO. DA	TE
JP 2000204061	Α	20000725	JP 2000-1898 20	000107
IN 2000MA00009	Α	20070209	IN 2000-MA9 20	000106
EP 1026148	A1	20000809	EP 2000-100310 20	000107
EP 1026148	B1	20030507		

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
                             20030515
                                            AT 2000-100310
                                                              20000107
     AT 239692
                       Т
                       Т
                             20030930
                                            PT 2000-100310
                                                              20000107
     PT 1026148
     SK 283638
                       В6
                             20031104
                                            SK 2000-24
                                                              20000107
     ES 2199100
                       Т3
                             20040216
                                            ES 2000-100310
                                                              20000107
                                            NO 2000-109
                                                              20000110
     NO 200000109
                             20000712
                       Α
                       B1
                             20030519
     NO 314757
                            20000825
                                            KR 2000-896
                                                              20000110
     KR 2000053438
                       Α
                                            US 2000-480165
                                                              20000110
     US 6350898
                       В1
                            20020226
     CN 1263885
                       Α
                            20000823
                                            CN 2000-101055
                                                              20000111
     HU 200000061
                       A2
                            20010228
                                            HU 2000-61
                                                              20000111
     HU 224174
                       В1
                             20050628
                       A1
                             20051209
                                            HK 2001-100893
                                                              20010208
     HK 1029986
PRIORITY APPLN. INFO.:
                                            EP 1999-100411
                                                              19990111
                         MARPAT 133:89232
OTHER SOURCE(S):
```

Title compds. CH2(CO2R)2 (R = alkyl, alkenyl, arylalkyl) are prepared by reaction of alkali salts of malonic acid with RX (X = halo) in water in the presence of phase transfer catalysts. Thus, reaction of disodium malonate with MeCl in H2O in the presence of Bu4NBr at 100° for 3 h gave 48% di-Me malonate.

L31 ANSWER 12 OF 17 CASREACT COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 133:222904 CASREACT Full-text

TITLE: Glycosylidene carbenes, Part 29: Insertion into B-C

and Al-C bonds: glycosylborinates, -boranes, and

-alanes

AUTHOR(S): Wenger, Wolfgang; Vasella, Andrea

CORPORATE SOURCE: Laboratorium fur Organische Chemie, ETH-Zentrum,

Zurich, CH-8092, Switz.

SOURCE: Helvetica Chimica Acta (2000), 83(7), 1542-1560

CODEN: HCACAV; ISSN: 0018-019X

PUBLISHER: Verlag Helvetica Chimica Acta

DOCUMENT TYPE: Journal LANGUAGE: English

Insertion of the glycosylidene carbenes derived from diazirines into the B-AB alkyl bond of B-alkyl-9-oxa-10-borabicyclo[3.3.2]decanes yielded the stable glycosylborinates in 31 to 55% yields. Crystal-structure anal. of 10-[4,5-di-O-benzyl-6,8-O-benzylidene-1-C-(4-chlorophenyl)-1,2-dideoxy- β -D-gluco-oct-3ulo-3,7-pyranosyl]-9-oxa-10-borabicyclo[3.3.2]decane and NOEs of two derivs. show that they adopt similar conformations. The glycosylborinates are stable under acidic, basic and thermal conditions. The unprotected glycosylborinate was obtained in 80% by hydrogenolysis of 10-(2,3,4,6-tetra-0-benzyl-1-C $cyclopentyl-\alpha-D-glucopyranosyl)-9-oxa-10-borabicyclo[3.3.2]decane.$ Insertion of the glycosylidene carbene derived from the tetrabenzylated gluco-diazirine into a B-C bond of BEt3, BBu3, and BPh3 led to unstable glycosylboranes that were oxidized to yield the hemiacetals in 13 to 55% yields. Insertion of the glycosylidene carbenes derived from the manno-isomer and the benzylideneprotected analog into a B-C bond of BEt3 led exclusively to hemiacetals; only the manno-isomer yielding traces of the glucal besides the hemiacetal. The glycosylidene carbene derived from the tetrabenzylated gluco-diazirin reacted with Al(iBu)3 and AlMe3 to generate reactive glycosylalanes that were hydrolyzed, yielding the C-glycosides, besides the glucals; deuteriolysis instead of protonolysis led to the monodeuterio analogs, which possess an equatorial 2H-atom at the anomeric center.

REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 13 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 132:35703 CASREACT Full-text

TITLE: Preparation of imidazole-4-carboxaldehydes.

INVENTOR(S): Mettler, Hanspeter; Hanselmann, Paul

PATENT ASSIGNEE(S): Lonza A.G., Switz.
SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PAT	TENT	NO.		KI	ND	DATE			AP	PLIC	CATI	и ис	Ο.	DATE			
	EP	9655	90		A	1	1999	1222		EP	199	99-1	1167	1	1999)616		•
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	SI,	LT,	LV,	FI,	RO										
	CA	2274	994		A	1	1999	1218		CA	199	99-2	2749	94	1999)615		
	JP	2000	0536	51	Α		2000	0222		JP	199	9-1	6894	6	1999)615		
	US	6127	548		Α		2000	1003		US	199	9-3	3575	7	1999)618		
PRI	ORITY	APP	LN.	INFO	.:					EP	199	8-1	1117	4	1998)618		
								1 2 2										

OTHER SOURCE(S): MARPAT 132:35703

__

Title compds. (I; R1 = H, alkyl; R2 = H, halo, alkyl; R3 = CHO; R4 = H) were prepared by protection of I (R1, R2 as above; R3, R4 = H) to give (I R1, R2 as above; R3 = H; R4 = protecting group), treatment of the latter with an organometallic compound and a suitable electrophile to give I (R1, R2 as above; R3 = H; R4 = protecting group), and deprotection of the latter. Thus, 2-butylimidazole and dimethylsulfamoyl chloride in CH2Cl2 were treated with Et3N to give 96% 2-butyl-3-dimethylaminosulfonylimidazol e. The latter in THF at -70° was treated with BuLi and then with MeO2CH followed by warming to room temperature to give 76% 2-butyl-3- dimethylaminosulfonylimidazole-4-carboxaldehyde. This was stirred 20 h in aqueous HCl to give 100% 2-butyl-3H-imidazole-4-carboxaldehyde.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 14 OF 17 CASREACT COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 131:18789 CASREACT Full-text

TITLE: Two-step methanol-cleavage process for the preparation

of ethynylcyclopropane from (1,1-

dimethoxyethyl)cyclopropane

INVENTOR(S): Michel, Dominique; Hanselmann, Paul

PATENT ASSIGNEE(S): Lonza A.G., Switz.

SOURCE:

Eur. Pat. Appl., 5 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PAT	ENT	NO.		KI	ND.	DATE			A	PPLI	CATI	ON NO	ο.	DATE			
	ΕP	9226	686		A.	l	1999	0616		E	P 19	98-1	2266	9	1998	1130		
	EΡ	9226	686		В.	l	2002	0206										
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO										
	ΑT	2129	961		Т		2002	0215		A'	г 19	98-1	2266	9	1998	1130		
	PT	9226	686		T		2002	0731		P'	г 19	98-1	2266	9	1998	1130		
	ES	2170	0990		T	3	2002	0816		E	s 19	98-1	2266	9	1998	1130		
	CA	2255	5147		A:	1	1999	0610		CZ	A 19	98-2	2551	47	1998	1202		
	JP	1124	46444		Α		1999	0914		J	P 19	98-3	4479	2	1998	1204		
	US	6002	2062		Α		1999	1214		U	s 19	98-2	0450	3	1998	1204		
RTO	RTTY	/ API	PLN.	INFO	. :					CI	н 19	97-2	842		1997	1210		

Ethynylcyclopropane, useful as an intermediate in the manufacture of antiviral pharmaceuticals particularly for the control of HIV (no data), is prepared in high yield and selectivity by the methanol cleavage of (1,1dimethoxyethyl)cyclopropane in the presence of alumina during distillation to give (1-methoxyethenyl)cyclopropane which is subsequently subjected to a second methanol-cleavage step in the presence of a strong base (e.g., tert-BuLi).

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER:

L31 ANSWER 15 OF 17 CASREACT COPYRIGHT 2007 ACS on STN 132:108166 CASREACT Full-text

TITLE:

Synthesis of glycosyl boranes and glycosyl borinates

AUTHOR(S):

Vasella, Andrea; Wenger, Wolfgang;

Rajamannar, Thennati

3

CORPORATE SOURCE:

Laboratorium fur Organische Chemie, ETH-Zentrum,

Zurich, Switz.

SOURCE:

Chemical Communications (Cambridge) (1999), (21),

2215-2216

CODEN: CHCOFS; ISSN: 1359-7345

PUBLISHER:

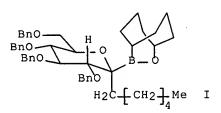
Royal Society of Chemistry

DOCUMENT TYPE:

Journal

LANGUAGE:

English



Insertion of glycosylidene carbenes into a B-C bond of BEt3 leads to unstable AB glycosyl boranes, while insertion into a B-C bond of borinic esters yields stable anomeric glycosyl borinates, e.g. I.

REFERENCE COUNT:

18

THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 16 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

127:50296 CASREACT Full-text

TITLE:

Preparation of 4-methylpentanoic acid from isobutyl

methyl ketone and sulfur and secondary amines

INVENTOR(S): PATENT ASSIGNEE(S): Hanselmann, Paul Lonza AG, Switz. Ger. Offen., 3 pp.

SOURCE:

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

DATE APPLICATION NO. DATE PATENT NO. KIND 19970626 DE 1996-19652566 19961217 DE 19652566 A1 CH 1995-3582 19951219 PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

MARPAT 127:50296

4-Methylpentanoic acid (I) is prepared in high yield and selectivity by the AB reaction of iso-Bu Me ketone with sulfur and secondary amines (e.g., morpholine), forming a 4-methylpentanoic acid thioamide which is reacted with base (e.g., aqueous KOH) converting it into I.

L31 ANSWER 17 OF 17 CASREACT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

124:86803 CASREACT Full-text

TITLE:

Preparation of 5-oxaspiro[2.4]heptan-6-one

INVENTOR(S): PATENT ASSIGNEE(S): Hanselmann, Paul Lonza AG, Switz.

Eur. Pat. Appl., 8 pp.

SOURCE:

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PAT	TENT NO.		KIND	DATE	APPLICATION NO.	DATE
EP	678515		A1	19951025	EP 1995-105830	19950419
EP	678515		B1	19980708		
	R: AT,	BE,	CH, DE,	DK, ES, F	R, GB, IE, IT, LI, NL	, PT, SE
CA	2145735		A1	19951022	CA 1995-2145735	19950328
US	5486622		Α	19960123	US 1995-417250	19950405
JP	07291957	7	Α	19951107	JP 1995-89824	19950414
AT	168110		T	19980715	AT 1995-105830	19950419
ES	2120098		Т3	19981016	ES 1995-105830	19950419
PRIORITY	Y APPLN.	INFO.	:		CH 1994-1230	19940421

The title process comprises conversion of HOCH2C(CH2Br)2CH2OH to 3-AB (bromomethyl)oxetane-3-methanol which was treated with NaCN to give 3-(hydroxymethyl)oxetane-3-acetonitrile. The latter was treated with HBr/HOAc to give 4,4-bis(bromomethyl)dihydro-2-furanone which was cyclized with Zn/DMAC to give the title compound

STRUCTURE SEARCHES

=> fil casrea; d stat que 128

FILE 'CASREACT' ENTERED AT 16:26:13 ON 10 APR 2007

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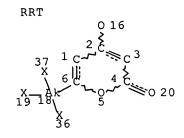
FILE CONTENT: 1840 - 7 Apr 2007 VOL 146 ISS 16

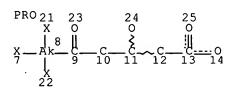
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This file contains CAS Registry Numbers for easy and accurate substance identification.

L25 STR





AK=ANY ALKYL X=ANY HALOGEN RRT=REACTANT OR REAGENT PRO=PRODUCT

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

L28 O SEA FILE=CASREACT SSS FUL L25 (O REACTIONS)

100.0% DONE 3325 VERIFIED 0 HIT RXNS 0 DOCS

SEARCH TIME: 00.00.03

=> fil reg; d stat que 122 FILE 'REGISTRY' ENTERED AT 16:26:23 ON 10 APR 2007 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2007 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 9 APR 2007 HIGHEST RN 929600-10-2 DICTIONARY FILE UPDATES: 9 APR 2007 HIGHEST RN 929600-10-2

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http://www.cas.org/ONLINE/UG/regprops.html

L18 STR

VAR G1=1/10 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM MLEVEL IS CLASS AT 7 8 18 19 21 22 36 37 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L21 24 SEA FILE=REGISTRY SSS FUL L18

L22 23 SEA FILE=REGISTRY ABB=ON L21/COMPLETE

=> fil capl; d que nos 124; s 124 not 129

FILE 'CAPLUS' ENTERED AT 16:26:34 ON 10 APR 2007

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FILE COVERS 1907 - 10 Apr 2007 VOL 146 ISS 16 FILE LAST UPDATED: 9 Apr 2007 (20070409/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html 'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L18 L21 24 SEA FILE=REGISTRY SSS FUL L18 23 SEA FILE=REGISTRY ABB=ON L21/COMPLETE L22 14 SEA FILE=CAPLUS ABB=ON L22 L24

12 L24 NOT L29 L32

=> d ibib ed abs hitstr 1-12; fil hom

L32 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2006:1011718 CAPLUS Full-text

DOCUMENT NUMBER:

145:377377

Preparation of acetylenyl-pyrazolo-pyrimidine TITLE:

derivatives for use as mglur2 antagonists treating CNS

disorders

Gatti McArthur, Silvia; Goetschi, Erwin; Palmer, Wylie INVENTOR(S):

Solang; Wichmann, Juergen; Woltering, Thomas Johannes

F. Hoffmann-La Roche A.-G., Switz. PATENT ASSIGNEE(S):

PCT Int. Appl., 229pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	CENT	NO.			KIN	D	DATE		i	APPL	ICAT:	ION 1	NO.		Di	ATE	
						-											
WO	2006	0999	72		A1		2006	0928	1	WO 2	006-1	EP23	34		20	0060	314
	W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KM,	KN,	ΚP,	KR,
		ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,
		MZ,	NA,	NG,	NI,	NO,	ΝZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,
		SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,
		VN,	YU,	ZA,	ZM,	zw											
	RW:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

US 2006217387 A1 20060928 US 2006-375834 20060315 PRIORITY APPLN. INFO.: EP 2005-102332 A 20050323

OTHER SOURCE(S): MARPAT 145:377377

ED Entered STN: 29 Sep 2006

GI

AB Acetylenyl-pyrazolo-pyrimidine derivs. I, wherein E and J are N, G is C and one of L or M is N and the other is CH; or L and G are N, E is C, and J and M are CH; or J, G and L are N, E is C and M is CH; or E and L are N, J and M are CH and G is C; R1 is H, halo, CF3, CHF2 or alkyl; R2 is H, halo, alkyl, etc.; R3 is H, alkyl, cycloalkyl; A is an aryl or (un)substituted 5- or 6-membered heteroaryl ring are prepared and useful in the treatment of CNS disorders. Thus, II was prepared and tested as a group II mGlu receptor antagonist with a Ki of 0.001 μ M. Further, I can be employed in the treatment of diseases related to mGluR2 activation such as psychosis, schizophrenia, Alzheimer's disease, cognitive disorders, memory deficits or glioma.

IT 387866-40-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of acetylenyl-pyrazolo-pyrimidine derivs. for use as mglur2 antagonists treating CNS disorders)

RN 387866-40-2 CAPLUS

CN 2H-Pyran-2-one, 4-hydroxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

2004:287835 CAPLUS Full-text ACCESSION NUMBER:

DOCUMENT NUMBER: 140:303662

Process for producing 3-haloalkylpyrazol-3-ylacetic TITLE:

acid ester

Okano, Kazuya; Sumitani, Naoko; Miyauchi, Akiko INVENTOR(S):

PATENT ASSIGNEE(S): Agro-Kanesho Co., Ltd., Japan SOURCE:

PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

Patent Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA'	TENT 1	NO.			KIN	D	DATE			APPL	ICAT:	ION I	۰.00		D	ATE	
WO	2004	0290	29		A1	-	2004	0408	1	WO 2	003-	JP12:	342		2	0030	926
	W:	AE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
		CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	ΗU,	ID,	IL,	IN,	IS,	KE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	LS,
		LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	ΝZ,	OM,	PG,
		PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	ТJ,	TM,	TN,	TR,
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		KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
		FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,
		BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG
JP	JP 2004115436						2004	0415		JP 2	002-	2812	72		2	0020	926
AU	AU 2003266648						2004	0419		AU 2	003-	2666	48		2	0030	926
PRIORIT	RIORITY APPLN. INFO.:									JP 2	002-	2812	72	7	A 2	0020	926
									1	WO 2	003-	JP12	342	Ţ	W 2	0030	926

OTHER SOURCE(S): CASREACT 140:303662; MARPAT 140:303662

Entered STN: 08 Apr 2004 ED

GI

AΒ Disclosed is a process by which a target pyrazole derivative can be obtained with high regioselectivity even when an aromatic hydrocarbon solvent is used as a solvent. The process, which is for producing a pyrazole derivative represented by the following general formula (I) (wherein R1 represents haloalkyl; R2 represents alkyl or aryl; and R3 represents alkyl or aryl), comprises reacting a 5-haloalkyl-3,5-dioxopentanoic ester and/or an enol thereof resp. represented by the following general formulas R1COCH2COCH2CO2R2 and R1C(OH): CHCOCH2CO2R2 (wherein R1 and R2 have the same meanings as defined above) with a hydrazine derivative represented by the following general formula R3NHNH2 (wherein R3 has the same meaning as defined above), and is characterized in that the hydrazine derivative is contacted beforehand with an acid and the resultant mixture is reacted with the 5-haloalky1-3,5dioxopentanoic ester and/or enol thereof in an aromatic hydrocarbon solvent. Thus, 9.94 g 35 weight% aqueous HCl solution and 11.16 g 35 weight% aqueous MeNHNH2 were mixed together under ice cooling and treated dropwise with a

solution of 15.0 g 6,6,6-trifluoro-3,5-dioxohexanoic acid Me ester (II) mL toluene. After removing the ice bath, the reaction mixture was spontaneously warmed to room temperature, thoroughly stirred for 2 h, neutralized with 83.0 mL ice-cooled aqueous NaHCO3 solution, and treated with 20.33 g NaCl to give, after workup, 91.9% 1-methyl-3- trifluoromethylpyrazol-5-ylacetic acid Me ester (III) with a .apprx.50:1 ratio of III/1-methyl-5-trifluoromethylpyrazol-3-ylacetic acid Me ester (IV) as compared to 57.9% yield of III in a .apprx.5:1 ratio of III/IV when II was first contacted with aqueous HCl and then reacted with MeNHNH2.

TT 557796-15-3P, 6,6,6-Trifluoro-3,5-dioxohexanoic acid methyl ester
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(preparation of haloalkylpyrazolylacetic acid esters by acidification and cyclocondensation of hydrazine derivs. with haloalkyldioxopentanoic acid esters)

RN 557796-15-3 CAPLUS

CN Hexanoic acid, 6,6,6-trifluoro-3,5-dioxo-, methyl ester (9CI) (CA INDEX NAME)

L32 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2003:551484 CAPLUS Full-text

DOCUMENT NUMBER:

139:100867

TITLE:

Process for producing 6,6,6-trifluoro-3,5-

dioxohexanoic acid ester and tautomer thereof Okano, Kazuya; Takahashi, Takako; Itou, Hodaka;

Sumitani, Naoko; Tanaka, Ken

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE:

INVENTOR(S):

PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO.						D	DATE APPLICATION NO.					DATE					
	WO 2003057659			A1 20030717		WO 2003-JP12					20030106							
		W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,
			UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	zw						
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	ΚZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
			FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	SI,	SK,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
	JР	2005	2476	90		Α		2005	0915	JP 2002-272479					20020919			
	ΑU	2003	2024	70		A1		2003	0724	į	AU 2	003-	2024	70		2	0030	106
PRIO	PRIORITY APPLN. INFO.:									JP 2002-1771					A 2	0020	108	
										1	JP 2	002-	2724	79	1	A 2	0020	919
										1	WO 2	003-	JP12		1	w 2	0030	106
OTHER SOURCE(S) · ·						CASREACT 139:100867												

OTHER SOURCE(S): CASREACT 139:100867

ED Entered STN: 18 Jul 2003

Disclosed is a process for producing a 6,6,6-trifluoro-3,5-dioxohexanoic acid AB ester and a tautomer thereof which comprises reacting a 3-oxobutanoic acid ester with a base reactive with the 2-position methylene group, reacting the reaction product with a base reactive with the 4-position Me group, and reacting the resultant reaction product with a trifluoroacetic acid ester. 6,6,6-Trifluoro-3,5-dioxohexanoic acid ester is useful as an intermediate for 1-methyl-3-trifluoromethylpyrazole-5-ylacetic acid ester which is an agrochem. fungicide or insecticide. Thus, 4.40 g NaH (60 weight%) was washed with 50 mL hexane twice in a 500 mL 4-neck flask, suspended in 200 mL THF and 50 mL cyclohexane, treated with 11.61 g Me 3-oxobutanoate at 4°, stirred at the same temperature for 15 min, treated dropwise with 68 mL BuLi/hexane (1.58 M, 105 mmol) at -10° over 15 min, treated with 14.21 g Me trifluoroacetate, stirred at -10° for 120 min, warmed to 0° , treated with 23 mL concentrated HCl in an ice bath, stirred for 10 min, and treated with 100 mL H2O and 300 mL EtOAc to give, after workup, 27.95 g 6,6,6-trifluoro-3,5-dioxohexanoic acid Me ester in 84% yield.

IT 557796-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of trifluorodioxohexanoic acid ester and tautomer thereof by deprotonation of Me oxobutanoate with base and condensation with Me or Et trifluoroacetate)

RN 557796-15-3 CAPLUS

CN Hexanoic acid, 6,6,6-trifluoro-3,5-dioxo-, methyl ester (9CI) (CA INDEX NAME)

$$\begin{smallmatrix} 0 & 0 & 0 & 0 \\ II & II & II \\ F_3C-C-CH_2-C-CH_2-C-OMe \end{smallmatrix}$$

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2002:736710 CAPLUS Full-text

DOCUMENT NUMBER:

137:252737

TITLE:

Improving integrity of cosmetic films with fluorinated

oils

INVENTOR(S):

Calello, Joseph Frank; Olsen, Amy Lynn; Rosen, Richard

Р.

PATENT ASSIGNEE(S):

USA

SOURCE:

U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002136745	A1	20020926	US 2001-755250	20010108
US 6485731	В2	20021126		•
US 2003049215	A1	20030313	US 2002-253957	20020924
PRIORITY APPLN. INFO.:			US 2001-755250	A3 20010108
ED Entered STN: 27 Se	ep 2002			

AB A method for improving the integrity of a cosmetic film applied to nails or surrounding cuticle surfaces comprising applying to the surface an effective amount of a composition comprising less than 5% by weight of the total

composition of a fluorinated oil. The invention also comprises a nail and cuticle conditioning composition and a semi-permanent film forming composition containing the fluorinated oil. Compns. were prepared containing such compds. as trifluoromethyl C1-4 alkyl dimethicone, dioctyldodecyl fluoroheptyl citrate, or perfluorononyl octyldodecyl glycol meadowfoamate.

IT 461046-12-8

> RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (improving integrity of cosmetic films with fluorinated oils)

461046-12-8 CAPLUS RN

Butanedioic acid, 2-hydroxy-2-(5,5,6,6,7,7,8,8,9,9,9-undecafluoro-2-CN oxononyl)-, bis(2-octyldodecyl) ester (9CI) (CA INDEX NAME)

L32 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2002:31436 CAPLUS Full-text

DOCUMENT NUMBER:

136:85758

TITLE:

Preparation of pyrones as inhibitors of

cvclooxygenase-2

INVENTOR(S):

Li, Chun-Sing; Lau, Cheuk Kun; Therien, Michel;

Prasit, Petpiboon

PATENT ASSIGNEE(S):

Merck Frosst Canada & Co., Can.

SOURCE:

PCT Int. Appl., 64 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PA	PATENT NO.					IND DATE APPLICATION NO.					DATE						
WO	WO 2002002547			A1 20020110			0110	WO 2001-CA957					20010628				
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
		CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	ΕĖ,	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KR,	KZ,	LC,	LK,	LR,	LS,
								MK,						•			
								SL,									
			YU,	-		•	•	•	•	•	·		•	•		•	
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,
								GR,									
								GN,									
US	2002	-	-	-		A1 20020516 US 2001						892941 20010627					
						B2 20021015											
								CA 2001-2412874					20010628				
													20010628				
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
		IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR		•	-			
JP	2004											5181	4 4		2	0010	628
PRIORIT	RIORITY APPLN. INFO.:								US 2	000-	2156	94P		P 2	0000	630	
										WO 2	001-	CA95	7	,	W 2	0010	628
OTHER S	OTHER SOURCE(S):																
		0000															

Entered STN: 11 Jan 2002 ED

$$R4$$
 $X=R1$
 $X=R1$

The title compds. [I; X = a bond, (CH2)m (m = 1-2), CO, etc.; (un)substituted alkyl, Ph, naphthyl, etc.; R2 = alkyl (optionally substituted to its maximum with halo), NH2, NHCOalkyl (optionally substituted to its maximum with halo); R3, R4 = H, halo, alkyl (optionally substituted to its maximum with halo)], useful in the treatment of cyclooxygenase-2 mediated diseases, were prepared and formulated. Thus, reacting (methoxymethyl)triphenylphosphonium chloride with 5-hydroxy-4-(4- methylsulfonyl)phenyl-3-phenyl-5H-furan-2-one in the presence of t-BuOK in THF followed by treatment of the resulting 5-methoxy-3-(4-methylsulfonyl)- 2-phenylpenta-2,4-dienoic acid with p-TsOH in PhMe afforded I [X = a bond; R1 = Ph; R2 = Me; R3, R4 = H] which showed IC50 of 2.6 μM against COX-2 vs. IC50 of 13 μM against against COX-1 in human whole blood assay.

IT 387866-39-9P 387866-40-2P 387866-42-4P

Ι

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrones as inhibitors of cyclooxygenase-2)

RN 387866-39-9 CAPLUS

CN Hexanoic acid, 6,6,6-trifluoro-3,5-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 387866-40-2 CAPLUS

CN 2H-Pyran-2-one, 4-hydroxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 387866-42-4 CAPLUS

CN Methanesulfonic acid, trifluoro-, 2-oxo-6-(trifluoromethyl)-2H-pyran-4-yl ester (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

7

ACCESSION NUMBER:

1995:480166 CAPLUS <u>Full-text</u>

DOCUMENT NUMBER:

INVENTOR(S):

123:256518

TITLE:

Preparation of (5,6-dihydro)pyran-2-ones as inhibitors

of retroviral protease and testosterone reductase. Thaisrivongs, Suvit; Yang, Chih Ping; Strohbach,

Joseph Walter; Turner, Steven Ronald; Romero, Donna Lee; Skaletzki, Louis L.; Aristoff, Paul Adrian;

Gammill, Ronald B.; Johnson, Paul D.; et al.

PATENT ASSIGNEE(S):

Upjohn Co., USA

SOURCE:

PCT Int. Appl., 346 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.							APPLICATION NO.					DATE							
ΓΛ. 	. – – I O	9/11	 361							WO 1993-US10645				19931109					
*1		W:	AT,	AU.	BB.	BG,	BR,	BY,	CA.	CH,	CZ,	DE,	DK,	ES,	FI,	GB,	HU,	JP,	
		•••	KP.	KR,	KZ,	LK,	LU,	LV,	MG,	MN,	MW,	NL,	NO,	NZ,	PL,	PT,	RO,	RU,	
						UA,													
		RW:	AT,	BE,	CH,	DE,	DK,	ES,	FR,									SE,	
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C	A	2145	661			A1	19940526			ZA 1993-8019 CA 1993-2145661					19931109				
P	U	9455	493			Α		1994	0608		AU 1	994-	5549	3		1	9931	109	
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E	ΣP	6688	60			A1		1995	0830		EP 1	994-	9005	4 6		1	9931	109	
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E	L	1786	53			BI		2000	0531		ьг . 1	993-	3089	98	٥	1	0021	100	
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SK 285001	В6	20060406	SK 199	95-616		19931109
IL 107556	Α	20010808	IL 199	3-107556		19931110
TW 390878	В	20000521	TW 199	3-82109478		19931111
CN 1090279	Α	19940803	CN 199	93-114470		19931112
CN 1040321	В	19981021				
FI 9502302	Α	19950511	FI 199	95-2302		19950511
NO 9501899	Α	19950712	NO 199	95-1899		19950512
LV 13088	В	20040120	LV 200	3-101		20030911
PRIORITY APPLN. INFO.:			US 199	92-975343	Α	19921113
			US 199	93-90876	Α	19930713
•			US 199	93-130641	Α	19931001
			EP 199	94-900546	A3	19931109
			WO 199	93-US10645	W	19931109

OTHER SOURCE(S): MARPAT 123:256518

ED Entered STN: 12 Apr 1995

GI

$$R^{10}$$
 R^{10}
 R

Title compds. [I; R1 = (CH2)nCHR5(CH2)mR4, CHR5S(CH2)mR4, CHXCH(CO2Y)2, etc.; R2 = H, halo, alkyl, etc.; R3 = (halo)alkyl, alkenyl, (substituted) Ph, naphthyl, heterocyclyl, etc.; R4 = (substituted) Ph, naphthyl, heterocyclyl, cycloalkyl, alkenyl, halo, heterocyclyloxy, heterocyclylcarbonyl, CF3, etc.; R5 = alkyl, alkenyl, cycloalkyl, aryl(alkyl), heterocyclylalkyl, arylalkenyl; X = (substituted) Ph, naphthyl, heterocyclyl; Y = alkyl; R10 = H; R11 = H, alkyl, aryl, cycloalkyl, heterocyclyl(alkyl); R10R11 = bond; R3R11 = (substituted) cycloalkyl, etc.; m, n = 0-5], were prepared Thus, MeCOCH2CO2Et was condensed with PhCO2Et using KH/BuLi in THF to give PhCOCH2COCH2CO2Et. The latter was heated at 120° under reduced pressure to give 4-hydroxy-6-phenyl-2-pyrone. This was stirred with 1-phenyl-1-propanol and BF3.Et20 in dioxane to give title compound II. II at 100 μM gave 80.02% inhibition of HIV-1 protease.

IT 162169-36-0P 162169-42-8P 162170-89-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of, as inhibitor of retroviral protease and testosterone reductase)

RN 162169-36-0 CAPLUS

CN 2H-Pyran-2-one, 3-(cyclopropylphenylmethyl)-6-(1-ethyl-4,4,4-trifluorobutyl)-4-hydroxy- (9CI) (CA INDEX NAME)

RN 162169-42-8 CAPLUS

2H-Pyran-2-one, 3-(cyclopropylphenylmethyl)-4-hydroxy-6-(3,3,3-CN trifluoropropyl) - (9CI) (CA INDEX NAME)

162170-89-0 CAPLUS RN

2H-Pyran-2-one, 3-(cyclopropylphenylmethyl)-4-hydroxy-6-(4,4,4-CN trifluorobutyl) - (9CI) (CA INDEX NAME)

L32 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

1994:534143 CAPLUS Full-text

DOCUMENT NUMBER:

121:134143

TITLE:

Preparation of pyrimidines as herbicides and

agrochemical fungicides

INVENTOR(S):

Tanaka, Katsunori; Yamada, Juichi; Adachi, Hiroyuki;

Yamada, Shigeo; Kawana, Takashi; Hashimoto, Akira;

Shimoda, Susumu

PATENT ASSIGNEE(S):

Nippon Soda Co, Japan

SOURCE:

Jpn. Kokai Tokkyo Koho, 81 pp.

CODEN: JKXXAF

DOCUMENT TYPE:

Patent

1

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
JP 06049039	Α	19940222	JP 1993-108907		19930412	
PRIORITY APPLN. INFO.:			JP 1992-168288	A1	19920604	
OTHER SOURCE(S):	MARPAT	121:134143				

ED

Entered STN: 17 Sep 1994

GI

$$(R^8)_n \xrightarrow{R^7}_{R^6} \xrightarrow{R^1}_{R^5} \xrightarrow{R^3}_{R^4} \xrightarrow{PhC} \xrightarrow{N}_{R} \xrightarrow{CF_3}$$

The title compds. I [R1, R2 = H, alkyl, alkenyl, etc.; R3, R5 = H, halo, alkyl, alkenyl, Ph, etc.; R4 = H, alkyl, alkenyl, cycloalkyl, etc.; R6, R7 = H, halo, alkynyl, Ph, cycloalkyl, etc.; R8 = H, halo, alkyl, alkenyl, alkynyl, Ph, cycloalkyl, etc.; n = 0 - 3] are prepared Reaction of pyrimidine II (R = C1) with methylmercaptan sodium salt in THF gave, after workup, II (R = MeS) (III). III at 200 ppm gave 90% control of Plasmopara viticola. II (R = MeO) at 200 g/area gave complete control of crabgrass.

IT 155994-08-4

RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, in preparation of herbicide and fungicide)

RN 155994-08-4 CAPLUS

CN Hexanoic acid, 6,6,6-trifluoro-3,5-dioxo-, ethyl ester (9CI) (CA INDEX NAME)

F3C-C-CH2-C-CH2-C-OEt

L32 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 1992:235381 CAPLUS Full-text

DOCUMENT NUMBER:

116:235381

TITLE:

Preparation of 3-(2H-pyran-2-on-6-yl)indolizines and

the Diels-Alder reactions with some olefinic and

acetylenic dienophiles

AUTHOR(S):

Shimo, Tetsuro; Ohe, Masayuki; Somekawa, Kenichi;

Tsuge, Otohiko

CORPORATE SOURCE:

Fac. Eng., Kagoshima Univ., Kagoshima, 890, Japan

SOURCE:

Journal of Heterocyclic Chemistry (1991), 28(8),

1831-3

CODEN: JHTCAD; ISSN: 0022-152X

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 116:235381

ED Entered STN: 13 Jun 1992

GΙ

Pyranonylindolizines I (R = Me, MeO; R1 = Br, H) were prepared by 1,3-dipolar cycloaddn. reactions of pyranonylmethylpyridinium bromides II with di-Me acetylenedicarboxylate (DMAD). All of the cycloaddn. reactions of I (R = Me, R1 = H) with N-phenylmaleimide, p-benzoquinone, and DMAD took place at the 2-pyrone ring to give 3-substituted indolizines.

IT 141402-07-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and quaternization by, of pyridine)

RN 141402-07-5 CAPLUS

CN 2H-Pyran-2-one, 4-methoxy-6-(tribromomethyl)- (9CI) (CA INDEX NAME)

L32 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

1990:132461 CAPLUS Full-text

DOCUMENT NUMBER:

112:132461

TITLE:

Novel antitumor platinum(II) complexes and their

preparation

INVENTOR(S):

Mutoh, Masato; Matsunaga, Keiichi; Imamura, Shinzo;

Sugawara, Yoshinori; Kawai, Hideki

PATENT ASSIGNEE(S):

Toray Industries, Inc., Japan

SOURCE:

PCT Int. Appl., 34 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
	7.1	10000510	WO 1988-JP1139	-	19881111
WO 8904319	A1	19890518	WO 1900-011139 .		13001111
W: JP, US RW: AT, BE, CH,	DE ER	GB. IT. LU	. NI. SE		
EP 341318	A1	19891115	EP 1988-909825		19881111
R: AT, BE, CH,					
PRIORITY APPLN. INFO.:			JP 1987-284967	A	19871111
OTHER SOURCE(S):		112:132461			
ED Entered STN: 13 Ap	r 1990				
GI					

Novel Pt(II) complexes I [A = II (R1 = C1-4 alkyl, C1-4 perfluoroalkyl; R2 = C1-4 (un)substituted alkyl; R3 = H, C1-3 alkyl; R2R3 may form a ring structure)] are prepared for cancer therapy. Five I compds. are specified. Thus, Pt(trans-1-1,2-diaminocyclohexane)(OH)2 was reacted with 2,2-dimethyl-6,6,7,7,8,8,8-heptafluoro-3,5-octanedione to give 2,2-dimethyl-6,6,7,7,8,8,8-heptafluoro-3,5-octanedionehydroxo(trans-1-1,2-diaminocyclohexane)platinum(II) (III). III (25 mg/kg) administered i.p. to

leukemia cell-transplanted COF1 mice for 3 doses prolonged the survival time from 8.1 days in controls to 29.7 days.

125295-26-3DP, complexes with platinum and cyclohexanediamines
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as neoplasm inhibitor)

RN 125295-26-3 CAPLUS

CN Octanoic acid, 6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-dioxo-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-B

-- CF3

IT 125295-26-3 125295-28-5

RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, in antitumor platinum complex preparation)

RN 125295-26-3 CAPLUS

CN Octanoic acid, 6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-dioxo-, 2-[2-(2-methoxyethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)

MeO-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-CF

PAGE 1-B

--- CF3

RN 125295-28-5 CAPLUS

CN Octanoic acid, 6,6,7,7,8,8,8-heptafluoro-3,5-dioxo-, methyl ester (9CI) (CA INDEX NAME)

L32 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN -

ACCESSION NUMBER: 1981:65061 CAPLUS Full-text

DOCUMENT NUMBER:

94:65061

TITLE:

Fluoroketenes. 11. Synthesis and chemistry of a

perfluoroacylketene and related compounds containing a

perfluoroisopropyl sulfide group

AUTHOR(S):

England, David C.

CORPORATE SOURCE:

Cent. Res. Dev. Dep., E. I. du Pont de Nemours and

Co., Wilmington, DE, 19898, USA

SOURCE:

Journal of Organic Chemistry (1981), 46(1), 153-7

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE:

Journal English

LANGUAGE:
OTHER SOURCE(S):

CASREACT 94:65061

ED Entered STN: 12 May 1984

GI

$$F_{3C}$$
 S
 CF_{3}
 CF_{3}
 CF_{3}

The dimer (I) of hexafluorothioacetone and (F3C)2CFSC(CF3):CFCF(CF3)2 (II) were prepared in good yield from hexafluoropropene (III) and S in standard laboratory equipment slightly below atmospheric pressure. II is structurally similar to a dimer of III from which a vinyl ketone and an acylketene were prepared Preparation of the related vinyl ketone (F3C)2CFSC(:CF2)COCF(CF3)2 and acylketene (F3C)2CFSC(:C:O)COCF(CF3)2 (IV) containing the perfluoroisopropyl sulfide group are reported here as well as some chemical of IV. This chemical is analogous to that of a previously prepared acylketene F3CC(:C:O)COC2F5 in its reactions with H2O, BzNH2, and HN3 in Diels-Alder addition reactions to dienophiles containing C:C, C.tplbond.C, C:, C.tplbond.N, and C:O unsatn. and in electrophilic substitution reactions with aromatic compds. However, different behavior was observed in reactions involving fluoride ion, DMF, Me2NAc, and (Me2N)2CO.

IT 75782-11-5P 75782-12-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 75782-11-5 CAPLUS

CN 2H-Pyran-2-one, 4-hydroxy-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-5-[[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]thio]- (9CI) (CA INDEX NAME)

RN 75782-12-6 CAPLUS

CN 2H-Pyran-2-one, 4-(acetyloxy)-6-[1,2,2,2-tetrafluoro-1-

(trifluoromethyl)ethyl]-5-[[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]thio]- (9CI) (CA INDEX NAME)

L32 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

1981:46716 CAPLUS Full-text

DOCUMENT NUMBER:

94:46716

TITLE:

Fluoroketenes. 10. Synthesis and chemistry of a perfluoroacylketene and a related perfluorovinyl

ketone

AUTHOR(S):

England, David C.

CORPORATE SOURCE:

Cent. Res. Dev. Dep., E. I. du Pont de Nemours and

Co., Wilmington, DE, 19898, USA

SOURCE:

Journal of Organic Chemistry (1981), 46(1), 147-53

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 94:46716

ED Entered STN: 12 May 1984

The preparation and chemical of the novel C2F5COC(CF3):CO (I) and a related ketone C2F5COC(CF3):CF2 (II) are described. Both are prepared in good yields from (F3C)2C:CFC2F5. They are thermally stable but very reactive. Both compds. give the same hydrolysis product and the same product from DMF. II, like previously reported (England, D.C.; Krespan, C.G., 1973) perfluoroacryloyl fluorides, is subject to nucleophilic attack at the terminal unsatd. C and reacts as a diene in Diels-Alder addns. to C:C, C.tplbond.C, C:N, C.tplbond.N, and C:O unsatn. I also reacts as a diene to give adducts that are hydrolysis products of the vinyl ketone adducts.

IT 75732-79-5P 75732-80-8P 75733-15-2P

75751-09-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 75732-79-5 CAPLUS

CN Heptanoic acid, 2,2,6,6,7,7,7-heptafluoro-3,5-dioxo-4-(trifluoromethyl)-, methyl ester (9CI) (CA INDEX NAME)

RN 75732-80-8 CAPLUS

CN Heptanoic acid, 2,2,6,6,7,7,7-heptafluoro-3,5-dioxo-4-(trifluoromethyl)-(9CI) (CA INDEX NAME)

RN 75733-15-2 CAPLUS

2H-Pyran-2-one, 4-hydroxy-6-(pentafluoroethyl)-5-(trifluoromethyl)- (9CI) CN (CA INDEX NAME)

75751-09-6 CAPLUS RN

2H-Pyran-2-one, 4-(acetyloxy)-6-(pentafluoroethyl)-5-(trifluoromethyl)-(9CI) (CA INDEX NAME)

L32 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

1970:519854 CAPLUS Full-text ACCESSION NUMBER:

DOCUMENT NUMBER:

73:119854

TITLE:

Fluoroketenes. VI. Cycloadditions of cumulenes to

bis(trifluoromethyl)ketene

AUTHOR(S):

England, David C.; Krespan, Carl G.

CORPORATE SOURCE:

Exptl. Sta., E. I. du Pont de Nemours and Co.,

Wilmington, DE, USA

SOURCE:

Journal of Organic Chemistry (1970), 35(10), 3322-7

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 73:119854

Entered STN: 12 May 1984

Dimethylallene cycloadds to bis(trifluoromethyl)ketene (I) to form both AB oxetane and cyclobutanone, but tetramethylallene forms only products of an ene reaction because of steric hindrance to ring closure. Cycloaddns. of ketene and methylketene to I proceed easily and in good yield to form β lactones derived only from addition across the C:C of the nonfluorinated ketene. A dipolar intermediate is proposed for this reaction. Dimethyl-ketene cycloadds to I to form both cyclobutanedione and β lactone, a change presumably induced by increased steric hindrance. The direction of this latter reaction is strikingly dependent on solvent polarity.

IT 25636-39-9P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 25636-39-9 CAPLUS CN Valeric acid, 5,5,5-trifluoro-3-oxo-4-(trifluoromethyl)-, methyl ester (8CI) (CA INDEX NAME)

FILE 'HOME' ENTERED AT 16:26:47 ON 10 APR 2007

0 DOCS

SEARCH HISTORY

=> d stat que 128; d stat que 122; d his nofile L25 STR

RRT

0 16

2 2

37 1 c 2

37 1 c 3

X 6 2 4

X 19 18 5

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 25

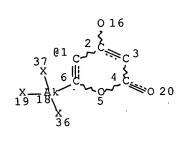
STEREO ATTRIBUTES: NONE

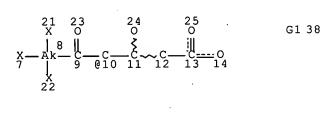
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100.0% DONE 3325 VERIFIED 0 HIT RXNS

SEARCH TIME: 00.00.03

L18 STR





VAR G1=1/10 NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 7 8 18 19 21 22 36 37

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L21 24 SEA FILE=REGISTRY SSS FUL L18

L22 23 SEA FILE=REGISTRY ABB=ON L21/COMPLETE

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L1
             2 SEA ABB=ON WENGER W?/AU
L2
             O SEA ABB=ON L1 AND L2
L3
L4
             O SEA SSS SAM L4 ( O REACTIONS)
L5
              STR L4
L6
             O SEA SSS SAM L6 ( O REACTIONS)
L7
              STR L6
L8
           0 SEA SSS SAM L8 ( 0 REACTIONS)
L9
          163 SEA SSS FUL L8 ( 3325 REACTIONS) EXTEND
L10
L11
            O SEA SSS FUL L8 ( O REACTIONS)
               SAVE TEMP L11 CHO070CASRE/A
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L13
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           21 SEA ABB=ON HANSELMANN P?/AU
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L15
            2 SEA ABB=ON L14 AND L15
L16
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               SEL RN
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               OR 7647-01-0/BI OR 77-78-1/BI OR 850860-00-3/BI OR 7732-18-5/BI
               OR 850860-01-4/BI OR 912677-01-1/BI OR 912677-02-2/BI)
               D SCAN
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L20
        31790 SEA SSS FUL L18 EXTEND
           24 SEA SSS FUL L18
L21
               SAVE TEMP L21 CHO070FULL/A
            23 SEA ABB=ON L21/COMPLETE
L22
            1 SEA ABB=ON L21 NOT L22
L23
               D SCAN
    FILE 'CAPLUS' ENTERED AT 16:23:04 ON 10 APR 2007
           14 SEA ABB=ON L22
L24
     FILE 'CASREACT' ENTERED AT 16:23:37 ON 10 APR 2007
               D QUE NOS L11
               STR L8
L25
            O SEA SSS SAM L25 ( O REACTIONS)
L26
          163 SEA SSS FUL L25 ( 3325 REACTIONS) EXTEND
L27
           O SEA SSS FUL L25 ( O REACTIONS)
L28
```

SAVE TEMP L28 CHO070CASRE/A

FILE 'STNGUIDE' ENTERED AT 16:24:41 ON 10 APR 2007

FILE 'CAPLUS' ENTERED AT 16:25:03 ON 10 APR 2007 D QUE L16

L29 2 SEA ABB=ON L16 OR (L16 AND L24)

FILE 'CASREACT' ENTERED AT 16:25:21 ON 10 APR 2007

D QUE L1

D QUE L2

L30 15 SEA ABB=ON (L1 OR L2)

FILE 'CAPLUS, CASREACT' ENTERED AT 16:25:29 ON 10 APR 2007

L31 17 DUP REM L29 L30 (0 DUPLICATES REMOVED)

ANSWERS '1-2' FROM FILE CAPLUS

ANSWERS '3-17' FROM FILE CASREACT

D IBIB ED ABS HITSTR 1-2

D IBIB ABS 3-17

FILE 'CASREACT' ENTERED AT 16:26:13 ON 10 APR 2007 D STAT QUE L28

FILE 'REGISTRY' ENTERED AT 16:26:23 ON 10 APR 2007
D STAT QUE L22

FILE 'CAPLUS' ENTERED AT 16:26:34 ON 10 APR 2007

D OUE NOS L24

12 SEA ABB=ON L24 NOT L29

D IBIB ED ABS HITSTR 1-12

FILE 'HOME' ENTERED AT 16:26:47 ON 10 APR 2007

D STAT QUE L28

D STAT QUE L22

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L32